Environmental Management Performance Report

May 2002

E0206055.1

Department of Energy
Richland Operations Office

Bechtel Hanford, Inc.
Environmental Restoration Contractor

Data as of month-end May

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INTRODUCTION

The monthly Environmental Restoration (ER) Environmental Management Performance Report (EMPR) consists of four sections: Section A - Executive Summary, Section B – River Corridor Restoration, Section C - Central Plateau Transition, and Section D – Site Integration and Infrastructure. All data is current as of May 31, 2002.

Section A – Executive Summary. The Executive Summary begins with a description of notable accomplishments that are considered to have made the greatest contribution toward safe, timely, and cost-effective Hanford Site cleanup. Safety statistics are also included. Major commitments are summarized that encompass Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones and FY02 Environmental Management (EM) corporate performance measures and objectives. Fiscal year-to-date ER Project cost and schedule variance analysis is summarized. Issues that require management and/or regulator attention are addressed along with resolution status. The Key Integration Activities section highlights site activities that cross contractor boundaries, supporting overall Hanford Site goals. The Executive Summary ends with a listing of major upcoming planned key events (90-day look ahead).

Section B – River Corridor Restoration. This section contains more detailed ERC monthly activity information and performance status for the three PBSs within the River Corridor Restoration outcome. These three PBSs consist of RC01 - 100 Area River Corridor Cleanup, RC02 - 300 Area Cleanup, and RC05 - River Corridor Waste Management.

Section C – Central Plateau Transition. This section contains more detailed ERC monthly activity information and performance status for the one PBS within the Central Plateau Transition outcome. This PBS consists of CP01 – 200 Area Remediation.

Section D – Site Integration & Infrastructure. This section contains more detailed ERC monthly activity information and performance status for the two PBSs within the Site Integration and Infrastructure outcome. These two PBSs consist of SS03 – Groundwater Management and Monitoring, and SS04 – Groundwater/Vadose Zone (GW/VZ) Integration.

PBS SC01 – Near Term Stewardship is structured within the Site Stewardship outcome. Due to the minimal FY02 workscope identified for this PBS, SCO1 performance data will be included in the Executive Summary cost/schedule overview.

Performance Incentive and Safety information in this report is identified with a green, yellow or red text box used as an indicator of the overall status. Green indicates work or issue resolution is satisfactory and generally meets or exceeds requirements, yellow indicates that significant improvement is required, and red indicates unsatisfactory conditions that require immediate corrective actions.

Section A - Executive Summary

River Corridor Restoration

Central Plateau Transition

Site Integration & Infrastructure

Data as of month-end May

SECTION A – EXECUTIVE SUMMARY

Data as of month-end May

NOTABLE ACCOMPLISHMENTS:

River Corridor Restoration:

Backfill activities were completed at the 132-C-2 outfall structure, which completes all backfill activities for the three outfall structures in the 100 B/C Area. In the 100 F Area, demolition and excavation of the 1.1-meter (42-inch) concrete pipe south of the retention basin was completed. In the 100 N Area, clearing and grubbing was initiated in preparation of excavating plumes 4 and 5. Excavation of the 116-N-1 trench is progressing.

A site walkdown in support of the 300 Area 618-4 Burial Ground remediation was conducted on May 1 to evaluate the subcontractor's readiness for intrusive work. A notice to proceed was issued to the subcontractor for excavation, handling, and packaging of 618-4 Burial Ground drums. Through May, 357 drums have been shipped to the Environmental Restoration Disposal Facility (ERDF) for staging.

During May, ERDF received 53,579 metric tons (59,061 tons) of waste, for a total of 379,461 metric tons (418,284 tons) received to-date in FY02. A total of 3,240,087 metric tons (3,571,585 tons) have been disposed in ERDF since operations began in July 1996. ERDF Disposal personnel have worked 73 months without a lost-time accident, and the ERDF Transportation team has driven 9,830,892 kilometers, (6,108,633 miles) without an at-fault vehicle accident.

During May, four additional spent nuclear fuel (SNF) pieces and one partial piece related to the F Reactor fuel storage basin (FSB) excavation were found. The shipment of SNF material to K Basin was completed on May 31. Progress also continued on the D, DR, and H Reactor interim safe storage (ISS) activities.

100 Area River Corridor surveillance and maintenance (S&M) activities continued through May. Preparation of Design Change Notices for the B Reactor electrical upgrade was completed. Mobilization was initiated for 100 Area asbestos abatement work.

The three River Corridor pump and treat systems operated above the planned 90 percent availability level in May.

Central Plateau Transition:

The process hood/viewing room was fogged and fixative applied to lock down contamination in the highly contaminated 233-S Plutonium Concentration Facility. Two standard waste box (SWB) containers were repackaged to install filters in several waste packages. Four SWB containers and 22 transuranic (TRU) waste drums were shipped to the Central Waste Complex (CWC).

200 Area asbestos abatement work was completed one month ahead of schedule. The 291-U stack radiation area remedial action (RARA) stabilization was completed one month ahead of schedule. Herbicide/pesticide Phase I application was completed for all Central Plateau vegetated areas. The 224-B facility annual roof inspection and the B Plant structural roof surveillance and evaluation were completed. Drilling, sampling, geophysical logging, and decommissioning of the 216-Z-11 characterization borehole were completed.

Soil vapor sampling of the 200-PW-1 Burial Ground vents was completed.

Preparation of draft responses to public comments on the Central Plateau Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) change packages was completed in support of the June 5 final approval.

NOTABLE ACCOMPLISHMENTS continued:

The two Central Plateau pump and treat systems operated above the planned 90 percent availability level in May.

Site Integration and Infrastructure:

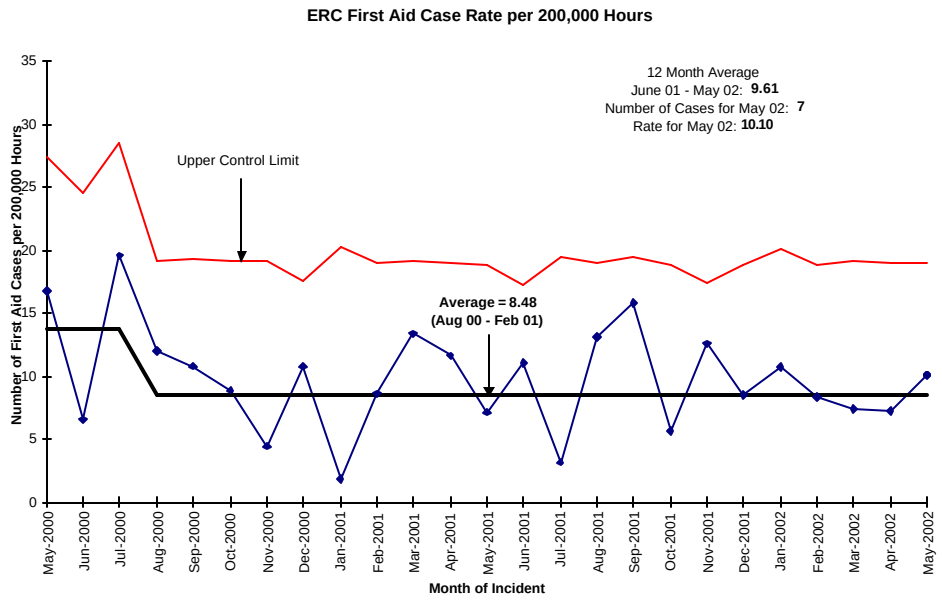
The revised Groundwater Monitoring Plan for the 100 K Area Fuel Storage Basins was transmitted to the U.S. Department of Energy (D)E) Richland Operations Office (RL) and Fluor Hanford (FH) for review.

A sitewide modeling coordination workshop was held with RL and the Office of River Protection (ORP) to address the need for greater coordination of DOE assessments conducted for the two regulatory agencies.

Preparations were completed for the field experiment in support of the Vadose Zone Transport Field Study. Irrigation activities were also initiated.

ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
MAY 2002

SAFETY:



GREEN

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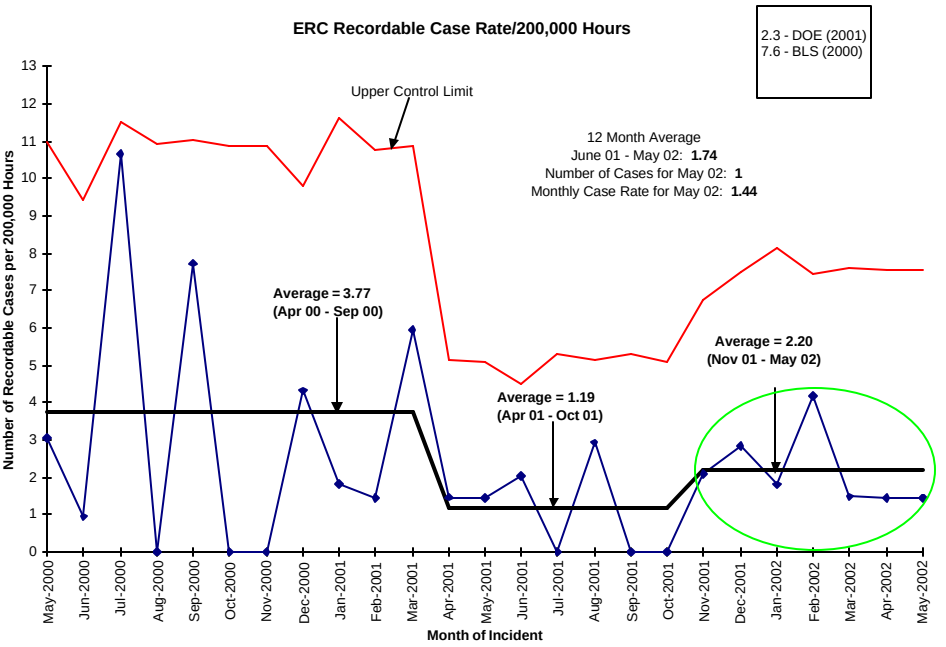
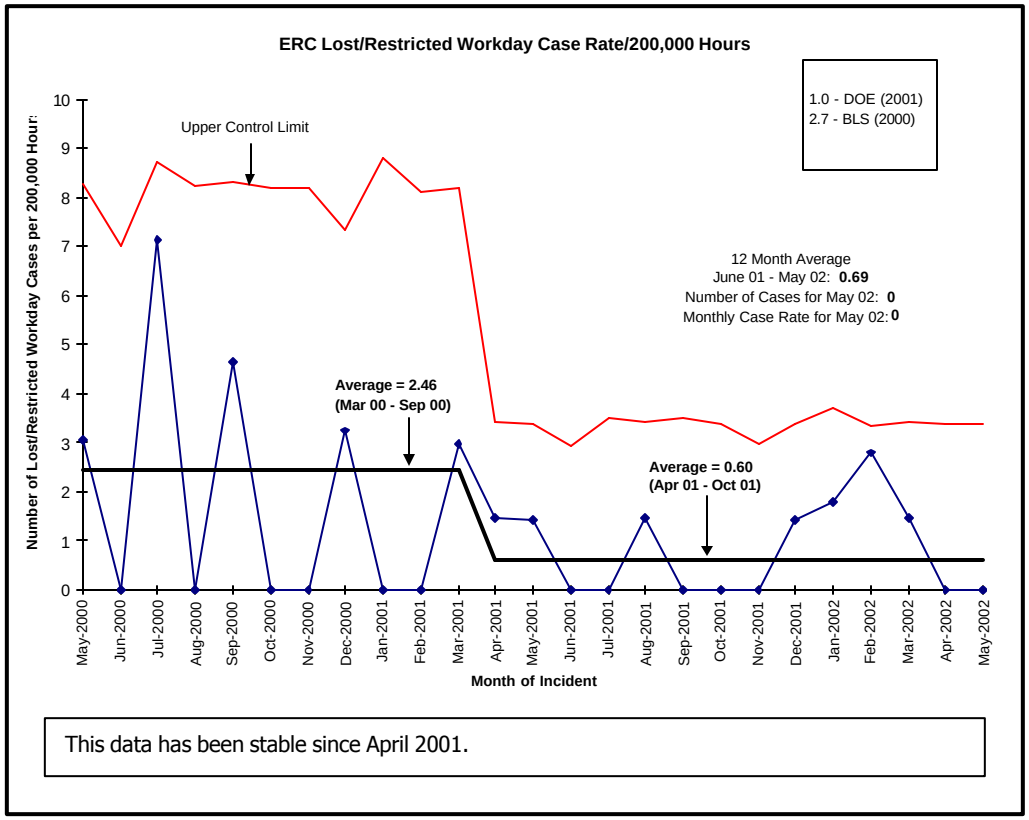


YELLOW

Due to seven consecutive months above the baseline average of 1.19, the baseline average has been recalculated. The revised baseline average is now 2.20 Recordable Cases per 200,000 hours worked.

SAFETY continued:



GREEN

This data has been stable since April 2001.

SAFETY continued:

The following actions have or are being taken by the Environmental Restoration Contractor (ERC) to focus on safety improvements:

- All accidents are thoroughly investigated. Emphasis is placed on causes and corrective actions that can be implemented where applicable. Timely discussions are expected to take place in safety meetings and plan of the day (POD) meetings. When investigations have been completed, the results of each investigation are sent to the Area Superintendents, Field Superintendents, and Supervisors to review at the PODs.
- Bechtel Hanford, Inc. (BHI) continues to look for trends and consult with corporate and other Bechtel National, Inc. (BNI) contacts for ways to enhance performance.
- The ERC has received approval from RL to set in motion the plans to obtain Voluntary Protection Program (VPP) Star Status recognition.
- The ERC continues to work closely with the Hanford Atomic Metal Trades Council (HAMTC) Safety Representative to resolve safety issues as they arise.
- Senior management continues to meet with small groups of employees in the field to discuss safety and personal commitment to safety.
- The Field Support General Superintendent and Project Safety Manager continue to visit different projects on a regular basis, meet with project team members, and conduct a safety walkaround. Area Superintendents for Decontamination and Decommissioning Projects/233-S, Surveillance, Maintenance, and Transition; and the Groundwater/Vadose Zone (GW/VZ) Integration Project will be included in these walkarounds and will be visiting projects other than those for which they are responsible. Information from the walkaround is shared with the team and other Field Support personnel. Safety conditions requiring corrective action are assigned to project personnel or support personnel for action and are tracked to closure. This activity is ongoing.
- The ERC has invited "Brown Bag Speakers" to join employees during lunchtime at the 3350 George Washington Way facility to discuss various safety and health topics. Four sessions have been held this year and another is scheduled during the month of June.
- Field Support personnel conduct weekly safety inspections, which are entered into a database and tracked to ensure all findings are closed. Daily inspections are also performed, and logged in the Project's Daily Log Book.

SAFETY continued:

	FYTD	Current Period (4/15/02-5/12/02)	Current Period Comments
First Aid	49	7	(1) strain, (1) puncture, (2) bite/sting, (2) contusion/abrasion, (1) laceration
OSHA Recordable	11	1	(1) neck pain
Restricted Workday Case	4	0	N/A
Lost Workday Case	1	0	N/A

Status:

- Through May 31, 2002, the ERC has worked approximately 512,600 hours without a lost workday case. The last incident occurred on January 29, 2002 and became a lost time on February 11, 2002. Continuous employee involvement is being fostered by the Integrated Environmental Safety and Health Management System (ISMS), VPP, labor alliance programs, e-mail communications, and one-on-one meetings with employees.
- An Incident Review Board was held on May 21. A presentation was given to functional and project managers by a team of craft employees to communicate the ERC path forward to VPP star status.
- ERC task teams were established to review oversight of subcontractors and flowdown of environmental, safety, and health requirements to subcontractors. A management review of both processes was performed. The corrective action plan is complete. Immediate corrective actions are now being worked and is expected to be completed on schedule. Long-term corrective actions will provide for effective communication of requirements and positive subcontractor oversight. These corrective actions are scheduled to be completed by mid-summer.
- Field Support personnel conducted two management safety walkthroughs at DR Reactor ISS and 618-4 & -5 drum removal projects. Both inspections went well, with no findings to report.
- The ERC has recognized a trend in sprain and strain injuries. Heightened awareness regarding proper lifting techniques, the use of mechanical devices for lifting heavy or awkward loads, proper planning, and increased participation in low-impact stretching exercises prior to engaging in lifting or pulling activities are being utilized to reduce these types of injuries.
- A VPP communication plan has been completed and is being presented to project and office personnel during employee safety meetings, POD meetings, and staff meetings. A strategic plan is being formulated on conducting a VPP self-assessment later this summer that will provide information relative to ERC strengths and weaknesses.
- The first roof section at DR Reactor ISS Project was successfully lifted into place on May 30. The section, weighing close to 10 metric tons (11 tons), was lifted approximately 30.5 meters (100 feet) to near the top of the reactor building and went exactly as planned. The successful operation can be largely attributed to the close cooperation between the subcontractor and ERC. The lift was planned with input from the workers, safety representatives, and supervisors from both groups. The lift plan was prepared by the subcontractor and then approved by BHI. This close cooperation reflects the continuing improvement in the safety culture of the subcontractor and their commitment/willingness to work with the ERC to accomplish their work safely.
- The ISS Projects' VPP Representatives have formed safety committees at each ISS reactor site to improve communications regarding safety issues/resolutions. The intent of each committee is, through weekly meetings, to discuss any safety issue brought to the committee by a worker, RCT, etc., provide a resolution, and then share it with the other ISS and ERC sites.
- On May 31, the F Reactor ISS Project completed another shipment of spent fuel elements found in the fuel storage basin during cleanout/preparation for demolition. This very complex task, involving large equipment, hazardous site working conditions, very high radiological dose rates (fuel), and adverse weather conditions was completed with zero lost work days and zero skin contaminations. This large team effort reflects their concentration on the work, their safety attitude, and commitment to safety.

SAFETY continued:

Integrated Environmental Safety and Health Management System (ISMS):

Status:

- The ERC completed the first phase of the Emergency Planning and Community Right to Know Act (EPCRA) Toxic Release Inventory (TRI) Report on April 10, and submitted it to Fluor Hanford (FH), the Hanford Site coordinator for the TRI Report.
- RL requested revision of a chemical safety analysis practices document as part of the DOE Chemical Safety Topical Committee Activities. BHI revised and formatted the document to be consistent with document submissions from other DOE contractors. Los Alamos is coordinating the completion of this document for the DOE complex.
- An independent assessment of the ERC subcontract for herbicide spraying activities was conducted. Specific areas of subcontractor review included training and licensing, herbicide application records, hazardous material inventories, container disposal, facility postings, containment control, operating records, and spill response training. As a result of the assessment, one Corrective Action Request (CAR) was generated for issues identified for subcontractor oversight in accordance with BHI-MA-02, Procedure 10.9, Subcontract Technical Representative Program. There were two issues that were identified for the generation of the CAR. These issues included a failure to transfer accumulated rinsate within a containment sump within 24 hours and a spill response plan that did not meet regulatory requirements. In addition, one observation identified an area of improvement for the management of empty herbicide containers located in the 2713WC lay-down yard.
- An Independent Assessment of the Groundwater/Vadose Zone Integration Project was completed with focus on the 100-HR-3 Operable Unit pump and treat system. The assessment identified one condition designated as Unsatisfactory Corrected Immediately (UCI). The condition involved management of controlled drawings at the 100-HR-3 pump and treat site. The report will be issued in June.
- An assessment was conducted on Emergency Management. One UCI item was noted in the report concerning the maintenance and inspection of the emergency use respirator. One observation was also included in the report concerning the emergency management tracking system.
- BHI-MA-02, Procedure 2.9, "Surveillance," Rev. 3, was issued with an effective date of May 17, 2002. This revision included: 1) UCI terminology, 2) the documenting and reporting of deficiencies identified for other Hanford Site contractors and ERC subcontractors, 3) the addition of new forms to facilitate this documenting and reporting.
- Forty-one (41) self-assessments, five occurrence reports, one Quality Services surveillance report, two corrective action requests, nine management walkthroughs, three independent assessments, and two facility representative reports were screened for Price-Anderson Amendments Act (PAAA) compliance determinations.
- Participated in the Washington State Department of Ecology (Ecology) annual high water Columbia River inspection as required by the Hanford Site Resource Conservation and Recovery Act of 1976 (RCRA) Permit. No concerns were noted.
- BHI's progress continues toward full implementation of the ISMS Performance Objectives, Measures, and Indicators Process (hereafter referred to as metrics) that BHI communicated to RL in document BHI-01550. This progress includes implementation of four of the five Compliance and Oversight metrics including: Agreement Between Scheduled versus Actual Assessments Performed; Number of ES&H Related Noncompliances Identified in Assessments; ES&H Related Trends; Timeliness of resolving ES&H Related Issues. The remaining Compliance and Oversight metric, Effectiveness of Corrective/Preventive Actions, is scheduled for implementation over the next two months. All these measures are specifically designed to gauge ERC performance with regard to our compliance status, ability to self-disclose deficiencies, and to initiate timely and effective corrective actions.

SAFETY continued:

- In addition, two new metrics were defined during May that will strengthen the Compliance and Oversight metric set. One of these, Safety Injury/Illness Performance is designed to provide an indication of BHI's overall work injury experience. It uses incidence rates for First Aid, OSHA Recordable, OSHA Restricted, and Lost Time injuries. The second new metric, Effectiveness of Self-Assessments, is specifically designed to gauge the level of conformance of project and functional department assessments to the ERC Self-Assessment process. The metric will measure the completeness and structural quality of those self-assessments. Data generation for these metrics will begin in May and June, respectively.
- As mentioned above, progress continues toward full BHI implementation of the ISMS metrics. To date, BHI is collecting data for 17 of the metrics, with data collection for the remaining 5 scheduled to commence during the next three months. Additionally, the methods/procedures that BHI agreed to develop to address RL's "opportunities for improvement," and to institutionalize this process were either drafted or scheduled for development over the same period. A detailed report outlining progress was transmitted to RL on May 23.

Conduct of Operations: RL Facility Representatives (FR) reported fifteen Lock & Tag issues in three surveillance reports in March. BHI completed an extensive review of their Lock & Tag Program which documented fifteen additional CARs in April, and one occurrence report was generated on a subcontractor lockout/tagout issue.

Status: Action plans have been developed, or are in process of being developed, for all Lockout/Tagout issues. BHI established an Independent Review Team to review the results, action plans, and root cause analysis of BHI's extensive review/surveillance of the Lockout/Tagout Program. The Independent Review Team presented the results of their review on May 13, which identified several items that could make corrective actions more effective. Based on the Independent Review Team's review, the action plans are being enhanced to include their recommendations.

PROCESS IMPROVEMENTS:

Six Sigma:

Status:

- Implementation of the Six Sigma program across the ERC continued.
- A listing of PIPs was distributed across BNI to Champions, Project, and Functional Managers for their review and potential institutionalization here at BHI.
- BHI is working with RL to schedule a "Failure Modes and Effects Analysis" (FMEA) to evaluate the RL review and approval process of the Safety Basis document development.
- Revision 0 of the BHI Six Sigma Implementation Plan (BHI 01644) was issued on May 15.

Process Improvement Projects (PIPs) and status include:

- Continuing discussions were held with RL and other BNI sites on the startup of Phase 2 Nevada/Hanford Waste Acceptance Process PIP (PIP #5). A letter was issued to the DOE-RL Assistant Manager for Environmental Restoration & Waste Management (AMEW) regarding the path forward on the PIP.
- The Radiological Work Control Documentation PIP (PIP #6) is finishing up the "Control" phase and is about 98% complete.
- The Waste Management Data Processing Improvement PIP (PIP #7) is finishing up the "Analyze" phase and is about 60% complete.
- The Safety Basis Process (PIP #8) PIP team has developed a draft business case and had a BNI engineering manager review. The team is evaluating work being performed at other BNI/DOE sites and coordinating efforts among the sites, to take full advantage of work already completed.
- The ERC Monthly Progress Review Process Improvement PIP (PIP #9) is in the "Measure" phase and is about 25% complete.
- The Subcontractor Oversight & Change Control Process Improvement PIP (PIP #10) is in the "Measure" phase and is about 10% complete.
- The Waste Container Handling/Distribution draft business case has been developed, and the PIP team leader has been assigned.

MAJOR COMMITMENTS:

Tri-Party Agreement Milestones: 17 Tri-Party Agreement milestones were planned for completion during FY02 (16 FY02 planned milestones and 1 "to be determined" [TBD] dated milestone). Through May, 15 milestones have been completed; 14 ahead of schedule, and 1 on schedule. Of these 15 milestones, three were outyear milestones that were accelerated and completed early.

The public comment review period closed on April 12 for the Central Plateau draft change packages. Response to comments is being finalized. There are two FY02 milestones being proposed for deletion in these change packages: M-15-40A, Complete U Pond/Z Ditches Cooling Water Group Field Work Through Sample Collection and Analysis (due September 30); and M-15-42B, Submit 200-TW-2 Operable Unit Draft A Remedial Investigation Report to Ecology (due September 30). Central Plateau draft change packages are expected to be approved by June 5.

The regulators agreed to extend the completion date for M-16-27C, "Complete 100-HR-3 Phase III ISRM Barrier Emplacement" (due September 30) to June 30, 2003. A change request is being prepared and will be forwarded to the regulators for approval by the end of June.

Total Tri-Party Agreement Milestones Due in FY02	17*
Total Planned Through May	11
Total Completed Through May	15

*Includes a "TBD" milestone

Remaining Tri-Party Agreement Milestones to be Completed in FY02	4
Forecast Ahead of Schedule	1
Forecast On Schedule	0
Forecast Unrecoverable (change request is being prepared)	1
Proposed to be Deleted	2

EM Corporate Performance Measures:

	DWP FY02	FY02 Mgmt Commitments	Current Baseline	Completed YTD
Waste Site Excavations	13	10*	10	5
Technology Deployments	0	3	6	5**

*HQ IPABS currently reporting 12 (HQ change request pending). Performance measure commitments revised due to formal funding guidance received from RL in January and required project rebaselining.

**HQ IPABS was not updated with reconciliation data provided in January 2002. Therefore, IPABS will not show any deployments completed.

PERFORMANCE OBJECTIVES:

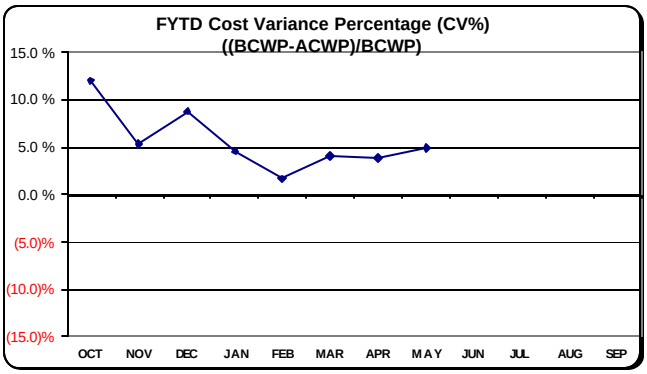
Comprehensive performance incentives are noted below. Specific River Corridor and Central Plateau performance measures are identified in the following report sections.

	Comprehensive Measure	Fee Allocation	Task	Status
GREEN	**Safety**	Negative fee only up to 50% of fee available for this PI.	Protect worker safety and health, public safety and health, and the environment.	No significant regulatory non-compliances and/or deficiencies identified in May. BHI's progress continues toward full implementation of the ISMS metrics.
GREEN	**Financial Excellence**	Incentive fee up to 20% of fee available for this PI.	The Contractor shall fulfill its contractual obligation in a fiscally responsible manner.	BHI continues to meet their contractual obligation in a fiscally responsible manner.
GREEN	**Effective Leadership**	Incentive fee up to 30% of fee available for this PI.	Provide corporate leadership to improve management effectiveness, collaborate and participate proactively with our customers, value workers, and provide a supportive environment.	Effective leadership was demonstrated by working closely with RL CO/CORs to start the planning process for preparing FY03 DWP for River Corridor scope.
GREEN	**Transition Activities**	Incentive fee up to 50% of fee available for this PI.	Plan for and aggressively support a seamless transition of work from BHI to FH and from BHI to the new River Corridor Contractor.	Transition accomplishments were highlighted by early transfer of B Plant and PUREX. This should allow FH to meet their PI goal. Transition will be successfully completed on 6/30/02.

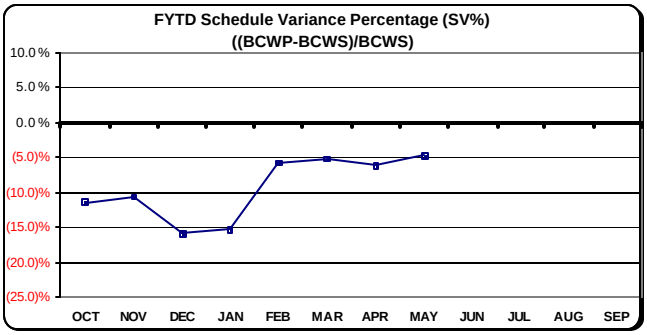
ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
MAY 2002

TOTAL ERC COST/SCHEDULE OVERVIEW:

FY02 ER PERFORMANCE SUMMARY
FYTD MAY 2002
($K)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	EAC
CURRENT PERIOD													
ACWP	10,237	12,390	11,786	13,451	13,111	14,424	13,387	12,790					
BCWP	11,635	12,272	13,862	12,378	11,904	16,591	13,727	14,402					
FISCAL YEAR TO DATE													
ACWP	10,237	22,627	34,413	47,864	60,975	75,399	88,786	101,576					
BCWP	11,635	23,907	37,769	50,147	62,050	78,643	92,367	106,771					
CV	1,398	1,280	3,356	2,282	1,075	3,244	3,581	5,195					
CV%	12.0%	5.4%	8.9%	4.6%	1.7%	4.1%	3.9%	4.9%					
EAC (Cumulative)	10,237	22,627	34,413	47,864	60,975	75,399	88,786	101,576	120,338	129,526	138,859	151,327	151,374



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DWP	10,994	11,433	14,984	13,383	12,125	15,162	12,865	12,486	13,558	11,837	12,074	14,835
DWP (Accum)	10,994	22,427	37,411	50,794	62,919	78,081	90,946	103,432	116,990	128,827	140,901	155,736
CURRENT PERIOD												
BCWS	13,121	13,631	18,145	14,309	6,629	17,063	15,535	13,523	15,154	8,148	8,446	11,209
BCWP	11,635	12,272	13,862	12,378	11,904	16,591	13,727	14,402				
FISCAL YEAR TO DATE												
BCWS	13,121	26,752	44,897	59,206	65,835	82,897	98,433	111,956	127,110	135,258	143,705	154,914
BCWP	11,635	23,907	37,769	50,147	62,050	78,643	92,367	106,771				
SV	(1,486)	(2,845)	(7,128)	(9,060)	(3,785)	(4,254)	(6,066)	(5,185)				
SV%	-11.3%	-10.6%	-15.9%	-15.3%	-5.7%	-5.1%	-6.2%	-4.6%				

TOTAL ERC COST/SCHEDULE OVERVIEW continued:

FY02 ERC PBS PERFORMANCE SUMMARY
FYTD MAY 2002
($K)

	FY02 DWP	CURRENT	FYTD			YTD SCHEDULE VARIANCE		YTD COST VARIANCE		
	BCWS	BCWS	BCWS	BCWP	ACWP	$	%	$	%	EAC
RC01	68,776	70,556	49,838	47,099	45,681	-2,739	-5.5%	1,418	3.0%	70,715
RC02	9,444	10,336	4,878	4,238	4,134	-640	-13.1%	104	2.5%	10,276
RC05	24,259	28,011	16,965	16,778	16,130	-187	-1.1%	648	3.9%	27,375
RCR-Subtotal	**102,479**	**108,903**	**71,681**	**68,115**	**65,945**	**-3,566**	**-5.0%**	**2,170**	**3.2%**	**108,366**
CP01	32,663	25,807	22,617	22,283	20,072	-334	-1.5%	2,211	9.9%	23,408
CPT-Subtotal	**32,663**	**25,807**	**22,617**	**22,283**	**20,072**	**-334**	**-1.5%**	**2,211**	**9.9%**	**23,408**
SS03	17,141	12,304	10,769	10,140	9,697	-629	-5.8%	443	4.4%	12,001
SS04	3,382	7,820	6,865	6,208	5,846	-657	-9.6%	362	5.8%	7,521
SI&I-Subtotal	**20,523**	**20,124**	**17,634**	**16,348**	**15,543**	**-1,286**	**-7.3%**	**805**	**4.9%**	**19,522**
SC01	71	79	24	25	16	1	4.2%	9	36.0%	78
SS-Subtotal	**71**	**79**	**24**	**25**	**16**	**1**	**4.2%**	**9**	**36.0%**	**78**
ERC TOTAL	**155,736**	**154,914**	**111,956**	**106,771**	**101,576**	**-5,185**	**-4.6%**	**5,195**	**4.9%**	**151,374**

Schedule Variance Summary:

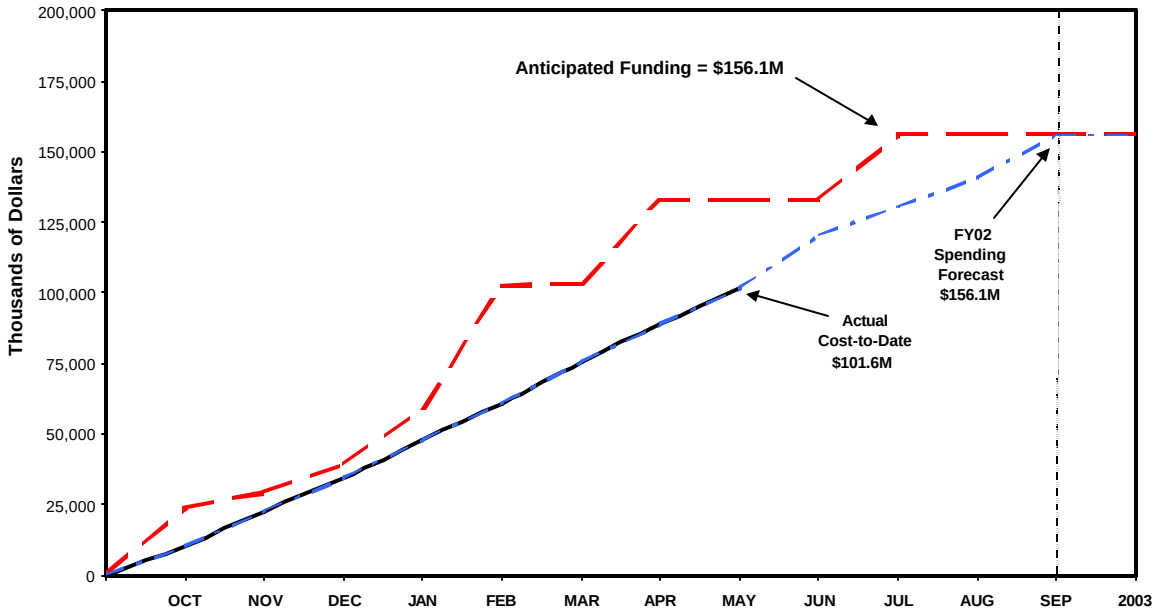
Through May, the ER Project is $5.2M (-4.6%) behind schedule. The negative schedule variance is attributed to delays in subcontractor key document submittals for DR Reactor safe storage enclosure (SSE); remedial action at 618-4 Burial Ground; groundwater operable unit resin procurement; GW/VZ monitoring/modeling, System Assessment Capability (SAC) system testing, and Science and Technology (S&T) efforts; and discovery of additional spent fuel elements at the F Reactor fuel storage basin (FSB), excessive winds, and equipment downtime.

Cost Variance Summary:

At the end of May, the ER Project had performed $106.8M worth of work, at a cost of $101.6M. This results in a favorable cost variance of $5.2M (+4.9%). The positive cost variance is attributed to lower labor and sampling costs at 100 F and 100 B/C remediation sites, labor savings at the 233-S facility decommissioning project, herbicide application and 100 Area surveillance labor savings, technology deployment savings at U Pond, and Reactor ISS downtime offsets due to weather curtailment and equipment repairs.

TOTAL ERC COST/SCHEDULE OVERVIEW continued:

FY02 FUNDS MANAGEMENT



			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	2003	
	ANTICIPATED FUNDING*		24,017	29,181	39,603	59,223	102,555	103,295	133,000	133,000	133,000	156,102	156,102	156,102	Est. Outyr. ETC	TOTAL
	ACTUAL/EAC ON APPROVED SCOPE															
1	**Actual Cost Through May**		10,237	22,627	34,413	47,864	60,976	75,400	88,787	101,577						
2	**Current Monthly EACs**		10,237	12,391	11,786	13,451	13,111	14,424	13,387	12,790	18,763	9,188	9,334	12,465		
3	**Cumulative EAC on Approved Scope**		10,237	22,628	34,414	47,865	60,976	75,400	88,787	101,577	120,340	129,528	138,862	151,374		151,374
	JUNE FY2002 APPROVED BCPs (Through 6/18/02)															
4	None.															0
5	**Subtotal Approved Scope Changes**										**0**	**0**	**0**	**0**	**0**	**0**
	JUNE FY2002 PENDING BCPs															
6	RC01	Install Signage Along River Frontage										38	38	38		114
7	ALL	BCP-22090 Decrease FY02 DWP Estimated Performance Fee to Correspond with Approved FY02 Fee Plan									(131)					(131)
8	ALL	BCP-22097 Funding Requirement for Transition for the Work Scope from ERC to River Corridor Contractor												1,283		1,283
9	RC02	BCP-22070 Remaining Sites Confirmatory CSAP Scope Deletion and 300-FF-2 Remedial Design Plan Increase (Net)									5					5
10	RC01	BCP-22093 Accelerate 126-F-1 Ash Pit Remediation											20			20
11	RC01	BCP-22097 Initiate Subcontractor Design for 100-K Area Remediation										184	184	185		553
12	RC02	BCP-22099 Additional Work Scope @ 618-5 Burial Grounds												200		200
13	CP01	BCP-22085 Requirement for DSA Lifted									(233)					(233)
14	CP01	BCP-22092 CDI Feasibility Study									36					36
15	CP01	BCP-22094 Provision for 105-KE/KW Roof Repair										10	85	110		205
16	RC01	BCP-220XX Sampling Cost/Disposal of Non-recyclable Oil									40					40
17	RC01	Provision for Rental Excavator Replacement (Reactor ISS)												375		375
18	RC02	Additional Contaminated Soil from 618-5 to ERDF											99	99		198
19	XR02	BCP-22095 Delete FY02 PBS/IPL									(119)					(119)
20	ALL	Pending Scope Additions, Deletions, Etc.									545	545	546	546		2,182
21	**Subtotal Approved BCPs + Pending BCPs**										**143**	**777**	**972**	**2,836**	**0**	**4,728**
22	**Current Monthly EAC + June FY2002 Approved BCPs + Pending BCPs**		**10,237**	**12,391**	**11,786**	**13,451**	**13,111**	**14,424**	**13,387**	**12,790**	**18,906**	**9,965**	**10,306**	**15,301**		**-**
23	**Cumulative EAC + June FY2002 Approved BCPs + Pending BCPs**		**10,237**	**22,628**	**34,414**	**47,865**	**60,976**	**75,400**	**88,787**	**101,577**	**120,483**	**130,448**	**140,754**	**156,102**	**-**	**156,102**

*Anticipated Funding may be reduced by $681K due to GW/VZ deletions/deferrals.

ISSUES (REGULATORY/EXTERNAL/DOE):

See individual Outcome sections.

KEY INTEGRATION ACTIVITIES:

Central Plateau Transition Plan implementation continued with BHI non-manual employees responding by May 10 to employment offers from Fluor Hanford (FH), final preparations for early transition of B Plant and PUREX, and project and functional discussions and information exchanges.

UPCOMING PLANNED KEY EVENTS:

River Corridor Restoration:

Tri-Party Agreement Milestone M-93-06, Complete Removal Action Work Plan/S&M Plan for B Reactor, due June 30.

Central Plateau Transition:

The tentative agreement for the Central Plateau (200 Area) negotiations (M-13, M-15, M-16, M-20 milestones) was completed and approved by the Tri-Parties on February 21. The public comment review period closed on April 12, and a response to comments document is being finalized. Final approval of proposed changes is expected by June 5, 2002.

Section B - River Corridor Restoration

RC01 - 100 Area River Corridor Cleanup
RC02 - 300 Area Cleanup
RC05 - River Corridor Waste Management

Lifting First Roof Section into Place at DR Reactor

Demolishing 40-inch Reinforced Concrete Pipes at 100 F Area

Crane Moving D-38 Drum to be Overpacked at the 618-4 Burial Ground

Cleanout Completion at F Reactor Fuel Storage Basin

Data as of month-end May

SECTION B – RIVER CORRIDOR RESTORATION

Data as of month-end May

ACCOMPLISHMENTS:

100 Area River Corridor Cleanup (RC01):

Backfill activities were completed at the 132-C-2 outfall structure, which completes all backfill activities for the three outfall structures in the 100 B/C Area. Excavation activities continued on contaminated pipe, concrete, and soils from the areas around pipeline 11 and its intersection with pipelines 25 and 26. Excavation also continued at the west end of pipelines 18 and 21. Excavation was initiated to remove surface contamination south of the 116-C-5 retention basin.

In the 100 F Area, demolition and excavation of the 1.1-meter (42-inch) concrete pipe south of the retention basin was completed. Variance sampling of the 116-F-2 trench and the closeout sampling of the deep zone was also completed. The closeout package for section one of the 100-F-19 pipeline and the 116-F-14 retention basin was completed and forwarded to the U.S. Environmental Protection Agency (EPA).

In the 100 N Area, clearing and grubbing was initiated in preparation of excavating plumes 4 and 5. A reading of 1.5 Rem/hr on contact was detected at the bottom of the final leg of the 116-N-1 trench. The area was covered with alternate soil to meet the Environmental Restoration Disposal Facility (ERDF) supplemental waste acceptance criteria. Additional blending of soil, which started earlier this month, is expected to be required on the remainder of the trench to be within the ERDF acceptance criteria. Excavation and loadout of the contaminated material in the 116-N-1 trench will continue to be the primary activity through mid-June.

At D Reactor, demolition of the fuel transfer bay was completed.

DR Reactor safe storage enclosure (SSE) work continued. On May 30, the structural steel roof section for Zone 1 was assembled on the ground and lifted into place.

At F Reactor, the last of the open-top conex boxes were loaded onto transport trailers and shipped to the Environmental Restoration Disposal Facility (ERDF) on May 17. During May, four additional spent nuclear fuel (SNF) pieces and one partial piece related to the fuel storage basin (FSB) excavation were found. The shipment of SNF material to K Basin was completed on May 31.

Above-grade demolition of the H Reactor FSB was completed. The Readiness Assessment for the first phase of the FSB cleanout was completed on May 9. The project is ready to proceed with fill removal down to the top of the stem walls.

100 Area River Corridor S&M activities continued through May. The 165-KW facility mercury removal and sampling task was completed. Preparation of Design Change Notices for the B Reactor electrical upgrade was completed. Mobilization was initiated for 100 Area asbestos abatement work.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) upgrades were completed for the 100-HR-3 and 100-KR-4 groundwater remediation pump and treat systems. The systems are now operating at increased flow rates (230-250 gpm).

In the 100 Area, the three groundwater pump and treat systems (100-HR-3, 100-KR-4, and 100-NR-2) operated above the planned 90 percent availability levels in May, processing approximately 58.2 million liters of groundwater and removing approximately 4.32 kilograms of chromium and 0.1 curie of strontium. Since system inception, these three pump and treat systems have processed over 3.4 billion liters of groundwater, removing approximately 299 kilograms of chromium and 1.2 curies of strontium.

ACCOMPLISHMENTS continued:

300 Area Cleanup (RC02):

A site walkdown in support of the 300 Area 618-4 Burial Ground remediation was conducted on May 1 to evaluate the subcontractor's readiness for intrusive work. A notice to proceed was issued to the subcontractor for excavation, handling, and packaging of 618-4 Burial Ground drums. The project removed 312 drums from the 618-4 Burial Ground in May. The drums contain uranium oxide or uranium chips mixed with oil. The project transported 141 drums of waste to ERDF for staging in May. Since project inception, a total of 357 drums have been shipped to ERDF for staging.

River Corridor Waste Management (RC05):

During May, ERDF received 53,579 metric tons (59,061 tons) of waste, for a total of 379,461 metric tons (418,284 tons) received to-date in FY02. A total of 3,240,087 metric tons (3,571,585 tons) have been disposed in ERDF since operations began in July 1996. ERDF Disposal personnel have worked 73 months without a lost-time accident, and the ERDF Transportation team has driven 9,830,892 kilometers, (6,108,633 miles) without an at-fault vehicle accident.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F)/(A) Date
M-16-00F	Establish Date for Completion of All 100 Area Remedial Actions	12/31/01	12/31/01 (A)
M-16-27B	Complete 100-HR-3 Phase II, ISRM Barrier Emplacement (Planning, Well Installation, and Barrier Emplacement)	12/31/01	11/20/01 (A)
M-93-12*	Issue 105-DR Disposition Competitive Procurement Package for Ascertaining the Most Effective and Efficient Approach to FEIS ROD Selected Alternative Implementation (….)	2/28/02	Deleted
M-16-26B	Complete Remediation and Backfill of 51 Liquid Waste Sites in the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, and 100-HR-1 Operable Units and Process Effluent Pipelines in the 100-DR-1, 100-DR-2, and 100-HR-1 OUs. Complete Revegetation of 36 Liquid Waste Sites in the 100-BC-1, 100-DR-1, 100-DR-2, and 100-HR-1 OUs as Defined in RDR/RAWP for the 100 Area	3/31/02	12/11/01 (A)
M16-41B	Submit Closeout Verification Package for JA Jones 1 and 600-23 Waste Sites for EPA Approval	3/31/02	11/30/01 (A)
M-16-03A	Establish Date for Completion of 300 Area Remedial Actions	6/30/02	4/30/02 (A)
M-93-06	Complete Removal Action Work Plan/S&M Plan for B Reactor	6/30/02	6/21/02 (F)
M-16-03G	Establish an Environmental Restoration Disposal Facility (ERDF) Staging Area that is Ready to Receive Drummed Waste from the 618-4 Burial Ground in Accordance with an ERDF Record of Decision Amendment	9/30/02	4/10/02 (A)
M-16-27C**	Complete 100-HR-3 Phase III, ISRM Barrier Emplacement (Planning, Well Installation, and Barrier Emplacement)	9/30/02	6/30/03 (F)
M-16-41C	Complete Backfill and Regrading of JA Jones 1 and 600-23. Revegetation will occur during the following planting season	TBD	12/14/01 (A)

*M-93-12 was deleted per Tri-Party Agreement change request M-093-01-02 on April 30.
**Ecology has agreed to extend the completion date to June 30, 2003. A change request is being prepared and will be forwarded to the regulators by the end of June.

PERFORMANCE OBJECTIVES:

PI	Task (RL formally transmitted FY02 PIs on 4/30/02)
GREEN ***River Corridor Remedial Action:** Reduce Risk to Columbia River from Groundwater Contamination	Process 546,000 tons of contaminated soils and debris from as many as 20 targeted waste sites in the Columbia River Corridor and dispose in ERDF by 9/30/02.
	Construct drum staging area at ERDF and complete removal of all drums as defined in the FY02 DWP from 618-4 to ERDF staging area by 9/30/02.
	Submit CVPs for 19 waste sites to DOE for transmittal to the regulators by 9/30/02.
	Process 70,000 additional tons (for a total of 616,000 tons) of contaminated soils and debris from as many as 20 targeted waste sites and associated plumes in the Columbia River Corridor and dispose in ERDF by 9/30/02. **(Stretch)**
GREEN ****Reactor Interim Safe Storage:** Disposition Surplus Building	Conduct ISS activities at D Reactor.
	Conduct ISS activities at DR Reactor.
	Conduct FY01 carryover ISS activities at F Reactor.
	Conduct ISS activities at H Reactor.
	Conduct ISS activities at F Reactor.

*CV <5.0%; SV% <7.5% measured at the grouped RC01, RC02, RC05 PBS level.
**CV <5.0%; SV% <7.5% measured at the RC01 PBS level.

PERFORMANCE MEASURES/METRICS:

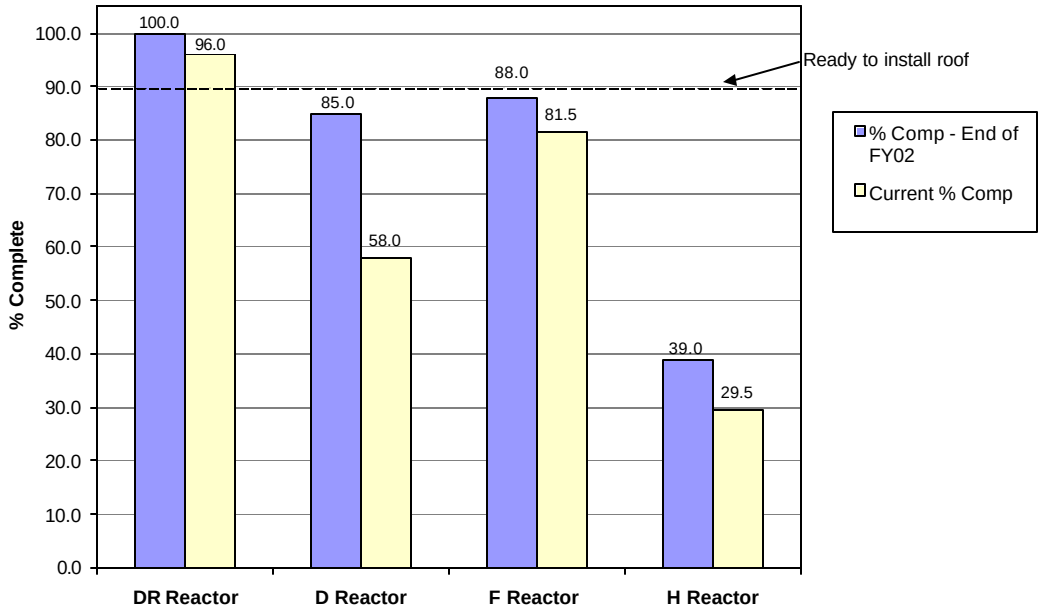
FY02 Performance Measures Summary:

PBS	Description	FY02 Mgmt Commit	Current Baseline Due Date	Forecast (F) Actual (A) Date
RC01	Complete Excavation – 100-F-2	X	11/30/01	1/26/02 (A)
RC01	Complete Excavation – 100-F-15	X	5/1/02	12/7/01 (A)
RC01	Complete Excavation – 100-F-19 (Segment 2)	X	8/12/02	8/12/02 (F)
RC01	Complete Excavation – 116-F-2	X	10/12/01	4/17/02 (A)
RC01	Complete Excavation – 126-F-1	X	6/5/02	6/21/02 (F)
RC01	Complete Excavation - 116-F-14	X	11/30/01	12/13/01 (A)
RC01	Complete Excavation - 116-F-9	X	11/26/01	4/15/02 (A)
RC01	Complete Excavation - 1607-F-2	X	7/30/02	6/21/02 (F)
RC01	Complete Excavation – 116-N-3	X	1/3/02	6/30/02 (F)**
RC02	Complete Excavation – 618-4	X	8/15/02	8/15/02 (F)
Total		**10***	**10**	**5 (F) 5 (A)**

*HQ IPABS currently reporting 12 (HQ change request pending). Performance measure commitments revised due to formal funding guidance received from RL in January and required project rebaselining.
**Excavation of four waste sites was reported completed in the February report. Final sampling results indicated contamination was still present at 116-N-3 that required further excavation.

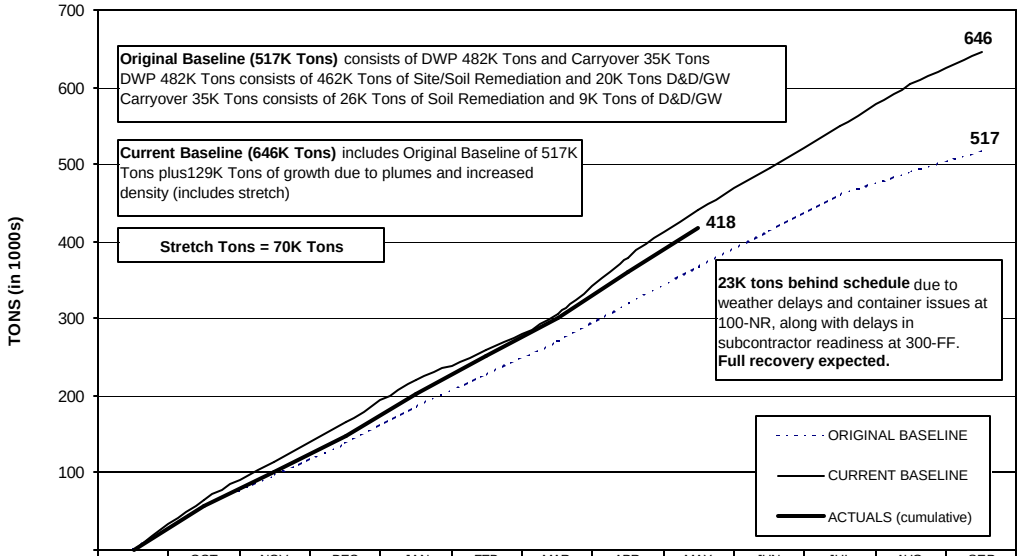
PERFORMANCE MEASURES/METRICS:

Reactor ISS Metric



Remedial Action Metric

Cumulative Tons to ERDF



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ORIGINAL BASELINE	57	96	138	186	227	270	319	367	413	461	490	517
CURRENT BASELINE	64	114	165	220	258	306	380	441	495	549	604	646
ACTUALS (cumulative)	57	99	146	201	250	300	359	418				

STRETCH AND SUPERSTRETCH GOALS:

FY02 Remedial Action Stretch Goals	Approved Tons (K)
Process 70,000 additional tons (for a total of 616,000 tons) of contaminated soils and debris from as many as 20 targeted waste sites and associated plumes in the Columbia River Corridor and dispose of in the ERDF by 9/30/02.	70.0K
TOTAL Remedial Action Stretch Goals:	**70.0K**

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

River Corridor Restoration	BCWS	BCWP	Variance
	$K	$K	$K
RC01 100 Area River Corridor Cleanup	49,838	47,099	(2,739)
RC02 300 Area Cleanup	4,878	4,238	(640)
RC05 River Corridor Waste Management	16,965	16,778	(187)
TOTAL River Corridor Restoration:	**71,681**	**68,115**	**(3,566)**

PBS-RC01 – 100 Area River Corridor Cleanup
Schedule Variance = **($2739K); (5.5%)** [Last Month: ($3046K); (6.8%)]

Cause: Demolition of DR Reactor safe storage enclosure (SSE) behind schedule due to delays in subcontractor key document submittals.

Resolution: Key documents completed, and demolition initiated the end of January. DR Reactor SSE planned to be completed end of July.

Cause: Discovery of spent fuel elements at F Reactor fuel storage basin (FSB), excessive winds, and equipment downtime at D Reactor.

Resolution: Recovery schedule implemented. BCP in process to account for additional hot spots and fuel shipments.

Cause: 100-HR-3 and 100-KR resin delivery behind schedule due to late shipment of polymer to create resin.

Resolution: Resin shipment expected in June.

PBS-RC02 – 300 Area Cleanup
Schedule Variance = **($640K); (13.1%)** [Last Month: ($512K); (13.4%)]

Cause: Remedial action activities at 618-4 Burial Ground behind schedule due to awaiting completion of subcontractor's submittals and readiness review.

Resolution: Remediation was initiated and full recovery is expected by end of July.

OUTCOME STATUS (COST/SCHEDULE) continued:

PBS-RC05 – River Corridor Waste Management
Schedule Variance = **($187K); (1.1%)** [Last Month: ($231K); (1.6%)]

Cause: Inclement weather and project-related delays in shipping waste delayed ERDF operations.

Resolution: Schedule recovery expected.

Cost:

River Corridor Restoration	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
RC01 100 Area River Corridor Cleanup	70,715	47,099	45,681	1,418
RC02 300 Area Cleanup	10,276	4,238	4,134	104
RC05 River Corridor Waste Management	27,375	16,778	16,130	648
TOTAL River Corridor Restoration:	**108,366**	**68,115**	**65,945**	**2,170**

PBS-RC01 – 100 Area River Corridor Cleanup
Cost Variance = **$1418K; 3.0%** [Last Month: $1270K; 3.1%]

Cause: Remediation labor, material, and sampling costs at 100 F and 100 B/C Areas less than planned.

Resolution: Underrrun reflected in EAC.

Cause: Herbicide application and 100 Area surveillance labor savings.

Resolution: Underrun reflected in EAC.

Cause: F Reactor basin cleanout overrums due to soil and debris removal, weather curtailments, and equipment downtime offset by fuel shipping costs less than anticipated.

Resolution: Overrun reflected in EAC.

PBS-RC02 – 300 Area Cleanup
Cost Variance = **$104K; 2.5%** [Last Month: ($79K); (2.4%)]

Cause: 300 Area S&M tasks being performed with less labor than planned.

Resolution: Underrun reflected in EAC.

PBS-RC05 – River Corridor Waste Management
Cost Variance = **$648K; 3.9%** [Last Month: $367K; 2.5%]

Cause: Lower driver and subcontract costs at ERDF due to elimination of planned overtime.

Resolution: Overtime and subcontract costs expected to increase in summer months to recover schedule slippage.

ISSUES (REGULATORY/EXTERNAL/DOE):

100 N Area Remediation: Results of residual radioactivity (RESRAD) modeling performed using borehole data for the 116-N-1 Crib and Trench indicate that the site will not attain groundwater Remedial Action Objectives (RAOs) following excavation. The results indicate that the lowest vadose zone layer contributes contaminants at levels above the RAOs.

Status: The U.S. Department of Ecology (Ecology) has sent RL a letter requesting an updated plan to identify the path forward for site remediation options. A plan is currently being developed.

INTEGRATION ACTIVITIES:

None identified at this time.

Section C - Central Plateau Transition

CP01 - 200 Area Remediation

Asbestos Abatement at 211-S

Containment for B Plant Pre-Filter Changeout

233-S Process Hood After Cleanout

276-S-141 & 142 Hexone Tanks Interim Stabilization

Data as of month-end May

SECTION C – CENTRAL PLATEAU TRANSITION

Data as of month-end May

ACCOMPLISHMENTS:

200 Area Remediation (CP01):

Central Plateau Remediation and Groundwater Monitoring Activities:

Drilling, sampling, geophysical logging, and decommissioning of the 216-Z-11 characterization borehole were completed.

Soil vapor sampling of the 200-PW-1 Burial Ground vents was completed.

Ecology approval was received for the contained-in-determination (CID) for hydrazine at the 216-A-29 Ditch.

Preparation of draft responses to public comments on the Central Plateau Tri-Party Agreement change packages was completed in support of the June 5 final approval.

In the 200 Area, both groundwater pump and treat systems (200-UP-1 and 200-ZP-1) operated above the planned 90 percent availability levels in May, processing approximately 27.2 million liters of groundwater. Since system inception, these two pump and treat systems have processed approximately 2.4 billion liters of groundwater. Approximately 72.4 kilograms of carbon tetrachloride were removed by 200-ZP-1 in May. Approximately 6,567 kilograms of carbon tetrachloride have been removed by 200-ZP-1 to date. Approximately 587.7 million liters of groundwater have been transported to the ETF for processing since 200-UP-1 began operation. 343 million liters were previously processed prior to using the ETF.

233-S Plutonium Concentration Facility Decommissioning:

The process hood/viewing room was fogged and fixative applied to lock down contamination. Nitric acid waste was repackaged for shipment to T Plant for stabilization and disposal. Two standard waste box (SWB) containers were repackaged to install filters in several waste packages. Four SWB containers and 22 transuranic (TRU) waste drums were shipped to the Central Waste Complex (CWC). Removal of the airlock commenced within the 233-S facility. The airlock was previously used to separate low and high contamination areas. Removal of the east wooden enclosure was also completed.

Central Plateau Surveillance and Maintenance (S&M) activities:

200 Area asbestos abatement work was completed one month ahead of schedule.

The 291-U stack radiation area remedial action (RARA) stabilization was completed one month ahead of schedule.

Herbicide/pesticide Phase I application was completed for all Central Plateau vegetated areas.

The 224-B facility annual roof inspection and the B Plant structural roof surveillance and evaluation were completed.

ACCOMPLISHMENTS continued:

The annual update of the Inactive Miscellaneous Underground Storage Tank (IMUST) management report was completed.

An Unreviewed Safety Question (USQ) and safety evaluation for the PUREX craneway contamination issue was completed one month ahead of schedule.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

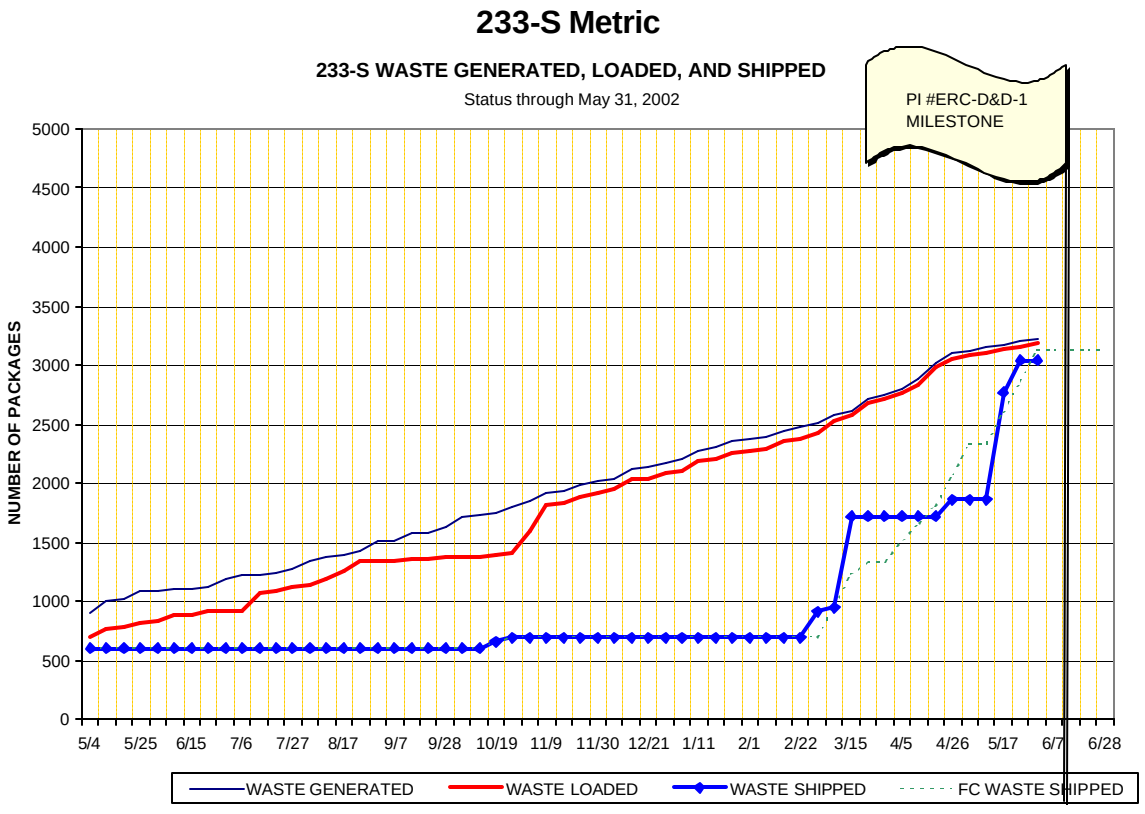
TPA Milestone	Description	Due Date	(F)/(A) Date
M-13-26	Submit Plutonium/Organic-Rich Process Waste Group (200-PW-1) Work Plan	12/31/01	12/26/01 (A)
M-13-00L	Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans	12/31/01	12/26/01 (A)
M-15-40A*	Complete U Pond/Z Ditches Cooling Water Group Field Work Through Sample Collection and Analysis	9/30/02	Proposed for deletion
M-15-42B*	Submit 200-TW-2 OU Draft A Remedial Investigation Report to Ecology	9/30/02	Proposed for deletion
M-15-41B*	Submit 200-TW-1 OU Draft A Remedial Investigation Report to EPA	10/30/02	10/30/02 (F)
M-13-00M*	Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans	12/31/02	12/31/02 (F)
M-20-39*	Submit 216-S-10 Pond and Ditch Closure/Post Closure Plan to Ecology in Coordination with the Work Plan for the Chemical Sewer Group	2/28/03	11/30/05 (F)
M-15-38A*	Submit Draft A Gable Mountain Pond/B Pond and Ditch Cooling Water Group Feasibility Study and 216-B-3 Pond System RCRA TSD Unit Closure Plan and Submit Draft A Gable Mountain Pond/B Pond and Ditch Cooling Water Group Proposed Plan/Proposed RCRA Permit Modification	3/31/03	3/31/03 (F)

*Milestones are addressed in the Central Plateau draft change packages that are expected to be approved by June 5.

PERFORMANCE OBJECTIVES:

PI	Task	Status
GREEN ***233-S Plutonium Concentration Facility Dismantlement:** Disposition Surplus Building	Dismantle and remove 8 vessels from the 233-S Process Hood by 6/30/02. Dismantle and remove all remaining vessels from the 233-S Process Hood by 6/30/02. **(Stretch)**	Vessel removal was completed in March. Efficiency in extracting process vessels from the 233-S facility has enabled BHI to complete removal of all the vessels one year ahead of schedule. The original baseline called for removal of 8 vessels by June 30, 2002. In that timeframe, all 15 vessels within the facility were actually removed. Additionally, disposition of the vessels from the facility to an approved waste storage facility will be completed by the end of May 2002, 16 months ahead of the baseline schedule.

*Multi-year PI developed in FY01.



PERFORMANCE MEASURES/METRICS:

Technology Deployment	PBS	Planned Date	(F)/(A) Date
Protean Gas Flow Proportional Counter	CP01		10/01 (A)**
ZipWall	CP01		11/01 (A)**
*Small-Diameter Geophysical Logging System Passive Neutron Logging Probe	CP01	3/31/02	2/02 (A)**
*Small-Diameter Geophysical Logging System Gamma Logging Probe	CP01	3/31/02	2/02 (A)**
Silicone Rubber Insulated Heaters	CP01		3/02 (A)**

* ERC identified two technologies for Central Plateau Transition to be deployed during FY02.

**HQ IPABS was not updated with reconciliation data provided in January 2002. Therefore, IPABS will not show any deployments completed.

STRETCH AND SUPERSTRETCH GOALS:

FY02 233-S Stretch Goals
***Dismantle and remove all remaining vessels from the 233-S Process Hood by 6/30/02.**

GREEN

*Multi-year PI developed in FY01.

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

Central Plateau Transition	BCWS	BCWP	Variance
	$K	$K	$K
CP01 200 Area Remediation	22,617	22,283	(334)
TOTAL Central Plateau Transition:	**22,617**	**22,283**	**(334)**

PBS-CP01 – 200 Area Remediation
Schedule Variance = **($334K); (1.5%)** [Last Month: ($1144K); (5.7%)]

Cause: Process hood vessel waste disposal activities at 233-S facility D&D project behind schedule due to NDA issues requiring new subcontract placement; late start on structural steel removal.

Resolution: New NDA subcontract signed and work commenced. First waste shipment to Central Waste Complex (CWC) was delivered in March. A recovery schedule for structural steel removal has been implemented with full schedule recovery expected by June 30.

Cause: Unscheduled issues with RL on the requirements for the outdoor sites have resulted in delays for subcontracting.

Resolution: A letter has been received from RL, which removed the documented safety analysis (DSA) requirements for the Central Plateau until a permanent resolution can be reached.

Cost:

Central Plateau Transition	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
CP01 200 Area Remediation	23,408	22,283	20,072	2,211
TOTAL Central Plateau Transition:	**23,408**	**22,283**	**20,072**	**2,211**

PBS-CP01 – 200 Area Remediation
Cost Variance = **$2211K; 9.9%** [Last Month: $1429K; 7.6%]

Cause: D&D at 233-S facility performed with fewer labor/material resources.

Resolution: Underrun reflected in EAC.

Cause: Reduction in S&M survey frequency/requirements/equipment and reduced RARA equipment costs.

Resolution: Underrun reflected in EAC.

Cause: Technology deployment utilizing Geoprobe® instrumentation in lieu of installing drive casings at U Pond resulted in labor and contract savings.

Resolution: Underrun reflected in EAC.

ISSUES (REGULATORY/EXTERNAL/DOE):

Central Waste Complex (CWC): Authorization Basis and Fire Hazards Analysis issues at CWC have caused CWC to temporarily restrict the receipt of waste. These restrictions are outside of BHI's control and may prevent shipment of waste from 233-S.

Status: This issue has not yet caused an impact and CWC is accepting TRU waste from the 233-S project on a case-by-case basis.

INTEGRATION ACTIVITIES:

Central Plateau Transition Plan implementation continued with BHI non-manual employees responding by May 10 to employment offers from Fluor Hanford (FH), final preparations for early transition of B Plant and PUREX, and project and functional discussions and information exchanges.

Support was provided for transition of B Plant and PUREX facilities to Fluor Hanford (FH) on June 3. Activities included briefings, walkdowns, Authorization Basis (AB) document orientations, and tours.

Section D - Site Integration & Infrastructure

SS03 - Groundwater Management & Monitoring
SS04 - Groundwater/Vadose Zone Integration

Rotary Drilling in the 200 Area

Dual Wall Percussion Rig at
Immobilized Low Activity Wall
Drill Site (200 East Area)

Data as of month-end May

SECTION D – SITE INTEGRATION & INFRASTRUCTURE

Data as of month-end May

ACCOMPLISHMENTS:

Groundwater Management and Monitoring (SS03):

The revised Groundwater Monitoring Plan for the 100 K Area Fuel Storage Basins was transmitted to RL and Fluor Hanford (FH) for review.

The Low-Level Burial Ground Groundwater Monitoring Plan was submitted for inclusion in the Part B permit application.

Groundwater/Vadose Zone Integration (SS04):

The draft of the Software User's Guide for the System Assessment Capability (SAC) inventory and transport elements was completed. This user's guide will assist in training new users, and provides documentation required for review and acceptance of assessment results.

A sitewide modeling coordination workshop was held with RL and the Office of River Protection (ORP) to address the need for greater coordination of DOE assessments conducted for the two regulatory agencies.

Preparations were completed for the field experiment in support of the Vadose Zone Transport Field Study. Irrigation activities were also initiated.

Descriptions for proposed projects to accelerate the Hanford Site baseline for remediation of carbon tetrachloride for 200 Area, strontium-90 at 100 N, and leaked high-level waste from single-shell tanks were developed and submitted to the DOE Office of Science and Technology.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F)/(A) Date
M-24-53	Install Two (2) Additional Wells at SST WMA TX-TY	12/31/01	11/8/01 (A)
M-24-54	Install One (1) Additional Well at SST WMA T	12/31/01	10/18/01 (A)
M-24-55	Install Two (2) Additional Wells at SST WMA S-SX	12/31/01	11/8/01 (A)
M-24-00M	Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in Calendar Year 2001 if Required	12/31/01	11/8/01 (A)
M-24-00N*	Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in Calendar Year 2002 if Required	12/31/02	*

*Currently being negotiated under Hanford Site C3T process.

PERFORMANCE OBJECTIVES:

None planned in FY02.

PERFORMANCE MEASURES/METRICS:

ERC identified one technology for Site Integration and Infrastructure to be deployed during FY02.

Technology Deployment	PBS	Planned Date	(F)/(A) Date
Advanced Tensiometer	SS04	3/31/02	9/30/02 (F)

STRETCH AND SUPERSTRETCH GOALS:

None planned in FY02.

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

Site Integration & Infrastructure	BCWS	BCWP	Variance
	$K	$K	$K
SS03 – Groundwater Management & Monitoring	10,769	10,140	(629)
SS04 - Groundwater/Vadose Zone Integration	6,865	6,208	(657)
TOTAL Site Integration & Infrastructure:	**17,634**	**16,348**	**(1,286)**

PBS-SS03 – Groundwater Management and Monitoring
Schedule Variance = **($629K); (5.8%)** [Last Month: ($476K); (5.0%)]

Cause: PNNL groundwater modeling and monitoring behind schedule due to late computer hardware/software purchase and awaiting outcome of C3T groundwater strategy.

Resolution: Schedule recovery expected.

PBS-SS04 – Groundwater/Vadose Zone Integration
Schedule Variance = **($657K); (9.6%)** [Last Month: ($657K); (11.1%)]

Cause: Late arrival of System Assessment Capability (SAC) computer system; delays in assembly and testing of hardware.

Resolution: SAC computer system arrived in February; modeling runs are proceeding and taking less time than expected with full schedule recovery expected.

Cause: Science and Technology (S&T) behind schedule due to staff availability and subcontract negotiations.

Resolution: Additional resources have been added to complete task and subcontract negotiations have been completed.

OUTCOME STATUS (COST/SCHEDULE) continued:

Cost:

Site Integration & Infrastructure	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
SS03 – Groundwater Management & Monitoring	12,001	10,140	9,697	443
SS04 - Groundwater/Vadose Zone Integration	7,521	6,208	5,846	362
TOTAL Site Integration & Infrastructure:	**19,522**	**16,348**	**15,543**	**805**

PBS-SS03 – Groundwater Management and Monitoring
Cost Variance = **$443K; 4.4%** [Last Month: $383K; 4.3%]

Cause: Underrun in PNNL data evaluation and support activities.

Resolution: Increase in sampling analysis costs expected during summer.

PBS-SS04 – Groundwater/Vadose Zone Integration
Cost Variance = **$362K; 5.8%** [Last Month: $207K; 3.9%]

Cause: Less effort required in development of Virtual Library components and development of System Assessment Capability (SAC) software user's guide/documentation, and Science and Technology (S&T) tasks.

Resolution: Underrun reflected in EAC.

ISSUES (REGULATORY/EXTERNAL/ DOE):

None identified at this time.

INTEGRATION ACTIVITIES:

Central Plateau Transition Plan implementation continued with BHI non-manual employees responding by May 10 to employment offers from Fluor Hanford (FH), final preparations for early transition of B Plant and PUREX, and project and functional discussions and information exchanges.